

# U.S. ARMY SERGEANTS MAJOR ACADEMY (PLDC)

W226

21 Jul 04

## Land Navigation

### CHANGE SHEET 1

1. Synopsis. This change sheet corrects errors in the 600 PLDC, and 600-PLDC Modified Course W226 Land Navigation Training Support Package (TSP). The change allows the commandant the discretion to allow soldiers to test out during PE-2 of TSP W226.

2. Pen and ink changes: None

3. Page changes: Replace the following pages in the TSP with the attached pages:

<u>TSP Page</u>	<u>Attached Page</u>
a. Page 9	Page 9
b. PE-2-1 through PE-2-3	PE-2-1 through PE-2-3

4. Additional changes that need explaining: none.

5. File this sheet in front of the TSP for reference purposes.

6. Approval of change sheet.

<b>Name/Signature</b>	<b>Rank</b>	<b>Title</b>	<b>Date Signed</b>
//ORIGINAL SIGNED// Frank W. Berta	GS-9	Training Specialist	7/28/2004
//ORIGINAL SIGNED// Victor A. LeGloahec	SGM	Chief, NCOES	7/28/2004
//ORIGINAL SIGNED// Marion Lemon	SGM	Chief, Curriculum, Design, and Development Division	7/28/2004

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**Risk  
Assessment  
Level**

Low – Determined by the instructor.

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**Environmental  
Considerations**

**NOTE:** It is the responsibility of all soldiers and DA civilians to protect the environment from damage.

According to local environmental SOP.

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**Evaluation**

- At the end of the land navigation block of instruction, you will participate in a performance test to evaluate your ability to navigate from one point to another using a map and a compass. You will have three hours to complete the test. You must locate a minimum of three of the four points to achieve a GO.
- Your SGL will also evaluate your land navigation skills as part of your field leadership evaluation.
- Should you fail to meet the standard, you will receive a retest. Should you fail the retest, your NCOA may eliminate you from PLDC.

**NOTES:**

- Inform the students where their test will take place as posted on the training schedule and when they will receive feedback on the test. Include any retest information.
- Inform the students that they must turn in all recoverable reference material after the test.

**SPECIAL NOTE FOR COMMANDANTS:** At your discretion, you may use the practice land navigation test (PE-2) as a means to allow students to test out providing they meet the following standards:

- The practice course meets the same standards as the test course.
  - Students meet graduation standards of finding three of the four points.
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**Instructional  
Lead-In**

You have already mastered the techniques of map reading in a classroom and hands on environment during W221, Map Reading. Now you will learn ground navigation techniques. You will combine your newly learned map reading skills with your ground navigation skills in a field environment.

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## PRACTICAL EXERCISE SHEET PE-2

<b>Title</b>	Practice Land Navigation Performance Test		
<b>Lesson Number/Title</b>	W226 version 1 / Land Navigation		
<b>Introduction</b>	<p>This practice land navigation performance test can serve two purposes:</p> <ol style="list-style-type: none"> <li>1. To provide you the opportunity to practice your land navigation skills on the type of course you must negotiate for the land navigation performance test.</li> <li>2. At the commandant's discretion, to serve as a pretest to allow you to test out providing you meet the land navigation graduation requirement.</li> </ol>		
<b>Motivator</b>	<p>This practice performance test will--</p> <ul style="list-style-type: none"> <li>• Provide you with the practical training you need to prepare for the performance test.</li> <li>• At the commandant's discretion, allow you to test out if you find three of the four points of this PE.</li> </ul>		
<b>Learning Step/Activity</b>	<p><b>NOTE:</b> The instructor should inform the students of the following Learning Step/Activity requirements. (ELO B.1)</p> <p>At the completion of this lesson, you [the student] will:</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 20%;"><b>Action:</b></td><td>Practical Exercises 1, 2, and 3</td></tr> </table>	<b>Action:</b>	Practical Exercises 1, 2, and 3
<b>Action:</b>	Practical Exercises 1, 2, and 3		
<b>Safety Requirements</b>	<p>SGLs will ensure students—</p> <ul style="list-style-type: none"> <li>• Receive a safety briefing prior to the practical exercises.</li> <li>• Know how to exercise caution during the PE when encountering local wildlife and plants.</li> <li>• Have all necessary equipment for the PEs, to include any additional equipment required by the NCOA SOP.</li> <li>• Have two full canteens of water and know to drink plenty of water during the exercise.</li> <li>• Know the locations of the water points.</li> <li>• Receive a briefing on heat injury symptoms or cold weather injury symptoms, whichever may apply.</li> <li>• Know how to evacuate or treat injured soldiers IAW the NCOA SOP.</li> </ul> <p>NCOA: Establish an SOP that addresses how to evacuate or treat injured soldiers.</p>		
<b>Risk Assessment Level</b>	Determined by the instructor.		

**Environmental Considerations**


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According to local environmental SOP.

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**Evaluation**

- This is a **nongraded** PE. Your performance on this PE will not have negative consequences on your academic standings. You will need the skills you will learn in this PE when you negotiate the graded land navigation course. You will also need these skills when you lead your team back at your unit.
  - At the commandant's discretion, if you do meet the standards of finding three of the four points, you will have met the land navigation PLDC graduation requirement, and you will not have to take the land navigation test scheduled later in this course.
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**Resource Requirements****Instructor Materials:**

- Water trailer or two Lyster bags filled with potable water.
- TSP
- Lensatic compass

**Student Materials:**

Each student will have—

- Pistol belt with two canteens of water, plus any other equipment required by the NCOA SOP.
  - Lensatic compass.
  - 1:50,000 map sheet of the area.
  - GTA 5-2-12 (coordinate scale and protractor).
  - Pencil and writing paper.
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**Special Instructions**

SGLs will conduct a safety briefing prior to the practical exercise.

**Note to Commandant:**

- At your discretion, you may use this PE as a pretest, and those soldiers who find three out of the four points do not have to take the land navigation test scheduled later in the course.
- The practice course must meet the same standards as the test course.
- Conduct this PE exactly as you will conduct the performance test: one hour for preparation, collection of answer sheets, an after action review, and three hours to negotiate the course.
- If your course utilizes a rally point, separate from the fourth, and allow the students an additional 15 minutes to get from the fourth point to the rally point.

**Note to the Students:**

- Each of you received your coordinates and distances to four points. When the time starts, you may plot each of your points on the map, and then double
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**Special  
Instructions,  
cont'd**

check that you correctly plotted the coordinates. (Plotting is part of the 3 hours.)

- Choose the best route that leads you to each point. Remember to check the type of terrain on the map that you must traverse. The shortest route may not always be the best. Watch for hills, streams, or valleys that can make your travel difficult.
- Once you choose a route of travel, determine your grid azimuth and distance to each point.
- Convert your grid azimuths to magnetic azimuths and compute your pace count from the distance. (Suggest that you determine the data from the start point to the first point. Once you have found the first point, then determine the data to the second point. This will prevent you from mixing up the data to the different points.)

**Procedures**

**NOTES:**

- Each academy will develop this portion of the lesson based on its individual resources and restrictions. Therefore, there is no solution sheet provided for this PE. NCOAs may design their own score sheets or use the form in Appendix B, page TE-1-5.
- Provide the students with eight-digit coordinates at their starting point.
- Identify the starting point coordinates to the student on the ground.
- Provide students the eight-digit grid coordinates to the four points that they must find.
- You have 30 minutes to (not part of the 3-hour exercise)--
  - Complete administrative requirements.
  - Conduct a risk assessment.
  - Conduct safety brief.
  - Ensure students have all required equipment.
  - Allow students to verify their pace count on the pace course.
  - Allow students to check their compasses for accuracy using the compass checkpoints.
- Observe students throughout the exercise and assist when necessary.

**NOTE:** Upon the conclusion of the three-hour portion of this PE, conduct a student led AAR

**Feedback  
Requirements**

- This portion of the practical exercise allows you to evaluate your ability to navigate from one point on the ground to another. Upon completion of this PE, you will participate in an AAR. You will learn from the AAR the things you did right or wrong and what you need to do to improve.
- If you have difficulties, come see me. I will give you some additional training.